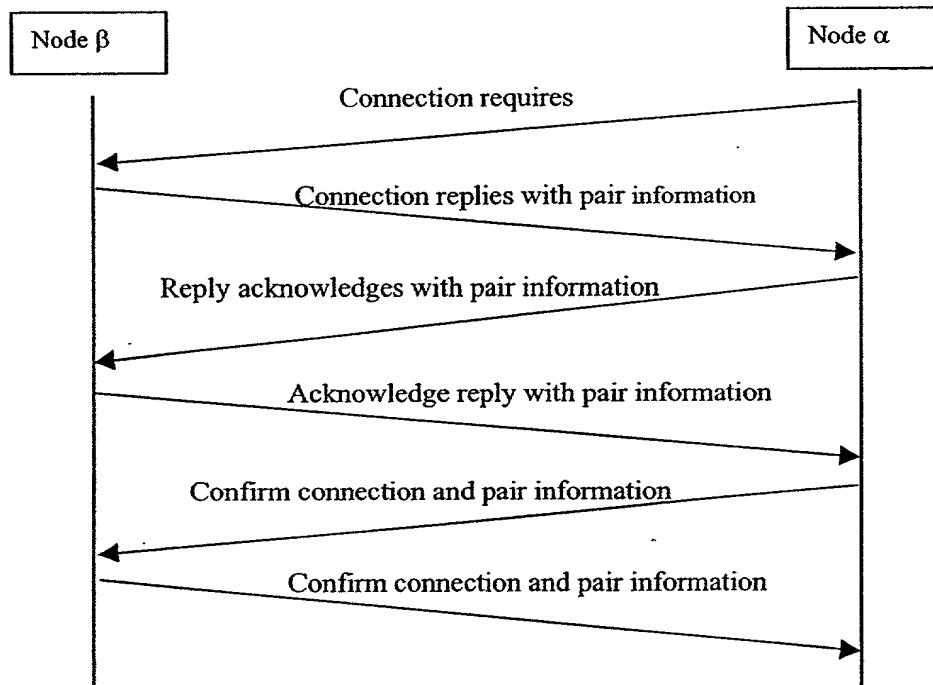
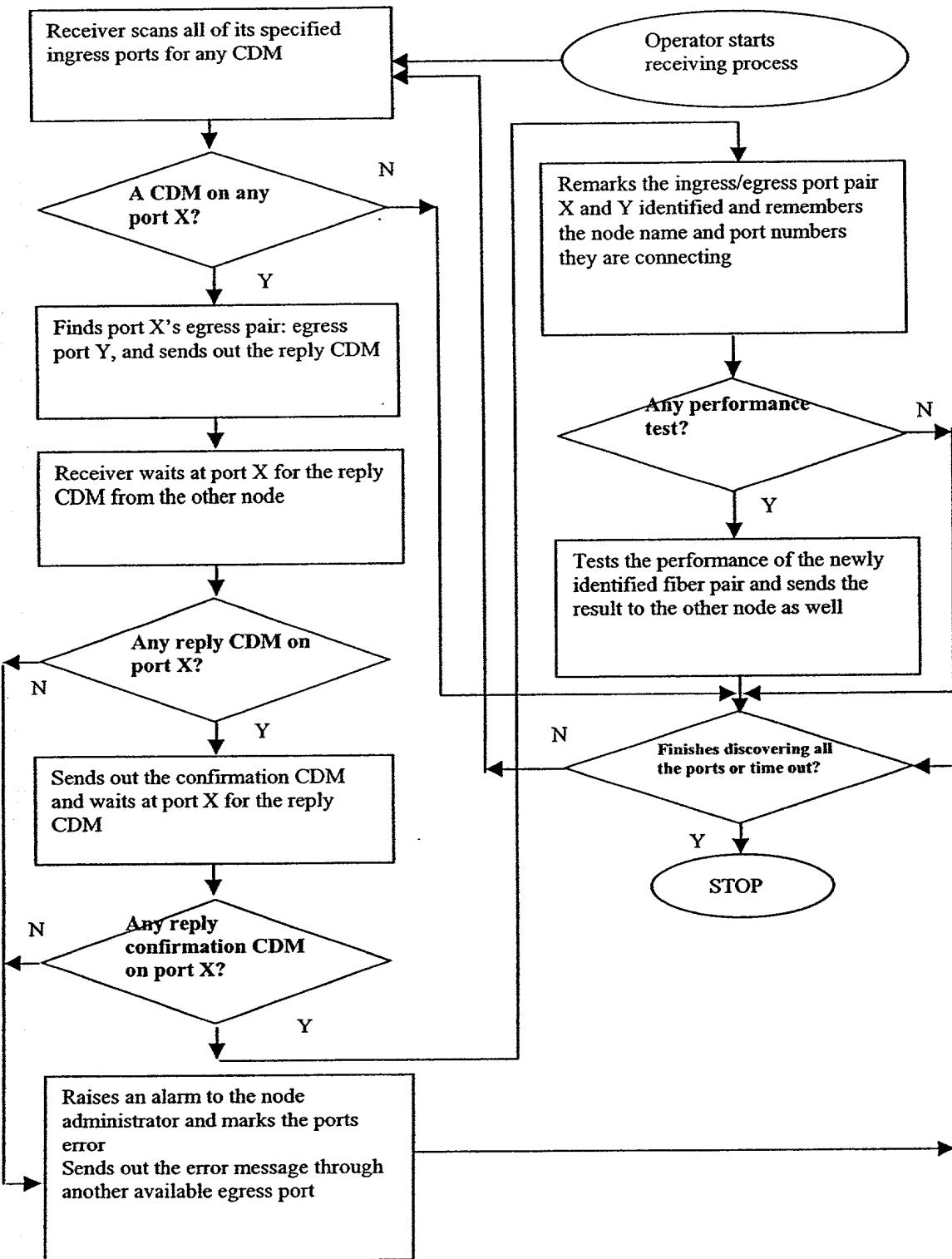


**Figure 1 a diagram of two optical nodes connected with a  
bundle of optical fibers**



**Figure 2 Handshaking protocol**



**Figure 3 the algorithm on the receiving node**

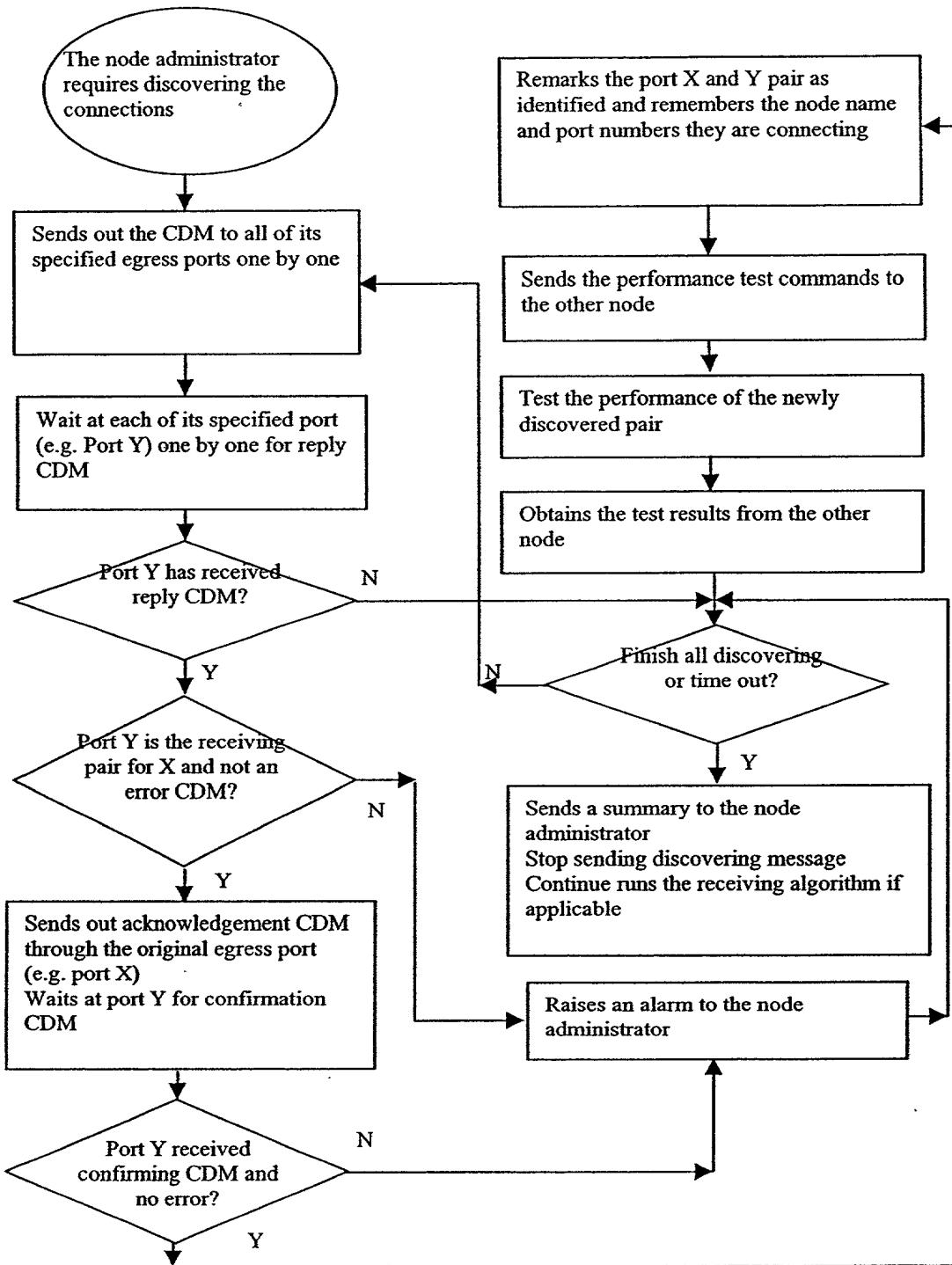


Figure 4 the algorithm on the sending node

1	2	3	4	5	6	7	8
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Figure 5 Message format

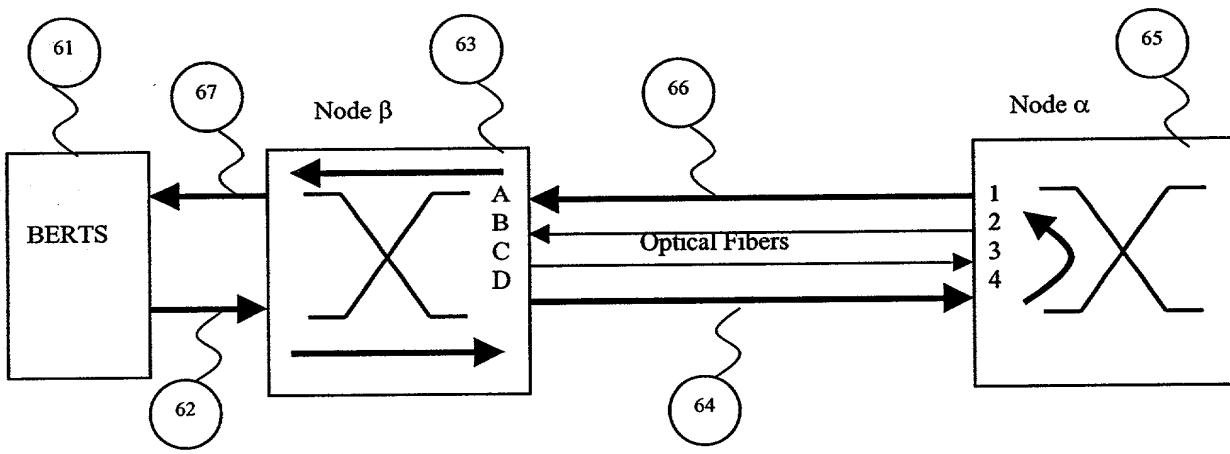
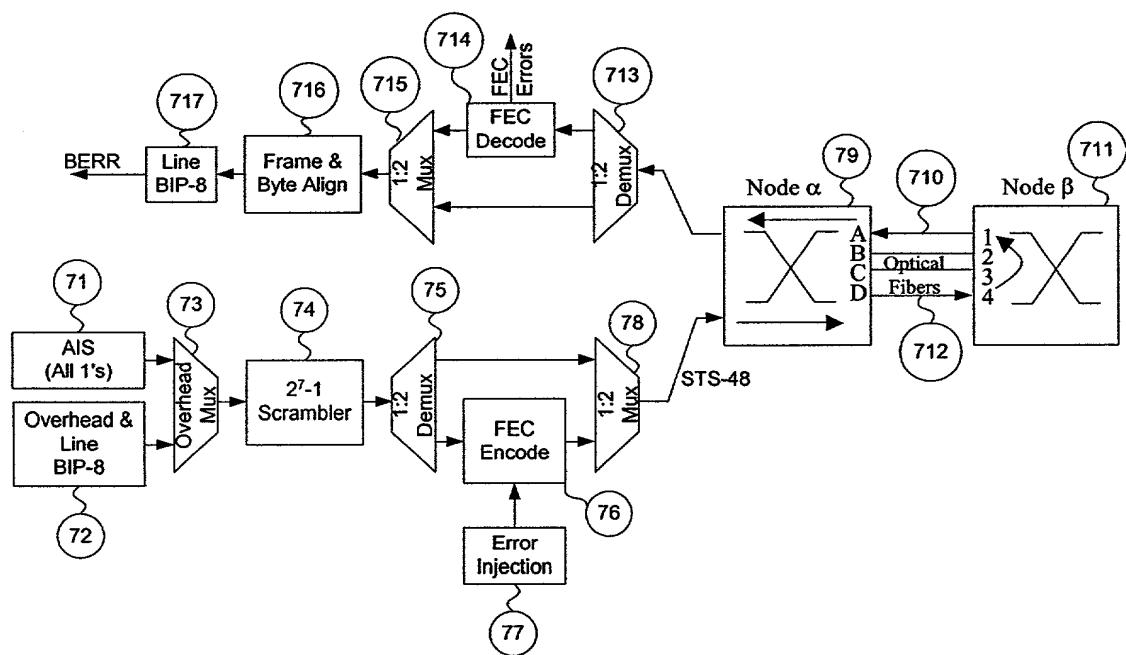


Figure 6 a diagram of two optical nodes connected with a bundle of optical fibers using a Bit Error Rate Test Set (BERTS) to determine quality of connection



**Figure 7 a diagram of two optical nodes driven by a specific Synchronous Optical Network (SONET) payload to determine the quality of the connection.**